

Appl. No.: 10/010,595
Amdt dated December 19, 2003
Reply to Office Action of August 27, 2003

Patent
14402-0071

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application: Please cancel claims 1-12 without prejudice, and add new claims 13-23.

Listing of Claims:

1-12 (Canceled)

13. (New) A device for use with a particle size measuring apparatus, comprising;

a flow cell having a top surface and a bottom;

an inlet and an outlet formed on the top surface of the flow cell;

a separating element position within the flow cell between the inlet and the outlet and defining a flow path; and

a lid secured to the flow cell and having an insertion hole and an inlet port in communication with inlet of flow and outlet port in communication with the outlet of the flow cell.

14. (New) The device of claim 13 wherein the flow cell is manufactured from a material through which laser light transmits.

15. (New) The device of claim 13 wherein the separating element extends from the top surface to the bottom.

16. (New) The device of claim 13 wherein the flow path is U-shaped.

17. (New) The device of claim 13 wherein the flow path is V-shaped.

18. (New) The device of claim 13 wherein the flow cell further comprises:

a first and a second plate element;

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a flow path forming element having a cut out section forming the separating element and defining the flow path positioned between the first and second plate elements.

19. (New) The device of claim 18 further comprising a passage formed by the first and second plate elements and the flow path forming element, the passage defining a space through which a solution may flow.

20. (New) The device of claim 19 wherein the passage is U-shaped.

21. (New) The device of claim 19 wherein the passage is V-shaped.

22. (New) The device of claim 13 wherein the lid is detachable from the flow cell.

23. (New) The device of claim 13 wherein the insertion hole is configured to receive a thermometer therein.